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Appl. No. 09/988,241
Addendum to Appeal Brief**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

Toni Paila *et al.*

Serial No.: 09/988,241

Filed: November 19, 2001

For: MULTICAST SESSION HANDOVER

Atty. Docket No.: 004770.00026

Group Art Unit: 2682

Examiner: Lewis G. West

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ADDENDUM TO APPEAL BRIEF

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This *Addendum to Appeal Brief* is submitted in response to the Notice dated January 21, 2009, indicating that Section V: Summary of Claimed Subject Matter does not properly map the independent claims to the specification. Pursuant to MPEP § 1205.03 and as indicated in the notice from the Board of Patent Appeals and Interferences, the following amended Section V shall serve as a replacement for Section V of the Appeal Brief as originally filed.

V. SUMMARY OF CLAIMED SUBJECT MATTER (AMENDED)

37 C.F.R. § 41.37(c)(1)(v)

In making reference herein to various portions of the specification and drawings in order to explain the claimed invention, Appellant does not intend to limit the claims; all references to the specification and drawings are illustrative unless otherwise explicitly stated.

By way of introduction, the invention relates generally to wireless data network systems. More precisely the invention relates to performing multicast session handovers from one cell to another in a wireless system. **Para. 01.** Claimed embodiments of the invention provide a method (claims 1, 9, 34, and 47), mobile terminal (claims 12 and 37), and computer readable medium (claim 23) that each performs multicast session handover in a wireless network.

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Generally speaking, a mobile terminal receives a multicast session announcement over an announcement channel in a first cell, where the multicast session announcement includes multicast session information for the first cell as well as a second cell. That is, the multicast session announcement received by a mobile terminal contains session information for multiple cells, which is unlike prior art systems where each cell only broadcasts its own session information. The mobile terminal tunes to a multicast session in the first cell using the multicast session information provided in the multicast session announcement. When a multicast session metric condition is met, such as a signal strength fading from a usable signal strength, the mobile terminal tunes, based on the multicast session information provided in the multicast session announcement received from the first cell, to the multicast session signal broadcast by the second cell. **Para. 06.**

Specific support for the features of the independent claims is identified below:

1. (Previously Presented) A method for performing multicast session handover, comprising the steps of:

- (i) in a first cell, receiving from a base station corresponding to the first cell, a broadcast message communicating multicast session information for a plurality of cells comprising the first cell and a second cell; [para. 21; para. 24 (last sentence); para. 29-30]
- (ii) tuning to a multicast session in the first cell using the received multicast session information; [para. 26, 2nd sent.; para. 31]
- (iii) when a predetermined condition occurs, tuning to the multicast session in the second cell using the received multicast session information. [para. 32]

9. (Previously Presented) A method for performing multicast session handover, comprising the steps of:

- (i) in a first cell, receiving from a base station corresponding to the first cell, multicast session information for a plurality of cells comprising the first cell and a second cell; [para. 21; para. 24 (last sentence); para. 29-30]

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- (ii) tuning to a multicast session in the first cell using the received multicast session information; [para. 26, 2nd sent.; para. 31]
 - (iii) when a predetermined condition occurs, tuning to the multicast session in the second cell using the received multicast session information, [para. 32]
- wherein, in step (i), the multicast session information comprises link-level access parameters corresponding to the first and second cells, [para. 19; para. 29]
- wherein steps (ii) and (iii) comprise using the link-level access parameters to tune to the multicast session in each cell. [para. 19; para. 32]

12. (Previously Presented) A mobile terminal, comprising: [Fig. 6:601]
a processor; and [Fig. 6:602]
memory for storing computer readable instructions that, when executed by the processor, cause the mobile terminal to perform steps of: [Fig. 6:607; Fig. 7:701]

- (i) in a first cell, receiving from a base station corresponding to the first cell, a broadcast message communicating multicast session information for a plurality of cells comprising the first cell and a second cell; [para. 21; para. 24 (last sentence); para. 29-30]
- (ii) tuning to a multicast session in the first cell using the received multicast session information; [para. 26, 2nd sent.; para. 31]
- (iii) when a predetermined condition occurs, tuning to the multicast session in the second cell using the received multicast session information. [para. 32]

23. (Previously Presented) A computer readable medium storing computer readable instructions that, when executed by a processor, cause a data processing device to perform the steps of: [Fig. 7:701]

- (i) in a first cell, receiving from a base station corresponding to the first cell, a broadcast message communicating multicast session information for a plurality of cells comprising the first cell and a second cell; [para. 21; para. 24 (last sentence); para. 29-30]

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- (ii) tuning to a multicast session in the first cell using the received multicast session information; **[para. 26, 2nd sent.; para. 31]**
 - (iii) when a predetermined condition occurs, tuning to the multicast session in the second cell using the received multicast session information. **[para. 19, 29, 32]**
34. (Original) A method for performing multicast session handover, comprising steps of:
- (i) tuning to a logical announcement channel; **[Fig. 4:401; para. 28]**
 - (ii) receiving a session announcement corresponding to a multicast session, the session announcement comprising information that maps link-level access parameters in each of a plurality of cells to the multicast session; **[para. 21; para. 24 (last sentence); para. 29-30]**
 - (iii) receiving the multicast session in a first cell using the first cell's received link-level access parameters; and **[para. 26, 2nd sent.; para. 31]**
 - (iv) when reception of the multicast session in the first cell changes from a first signal strength, receiving the multicast session in a second cell using link-level access parameters contained in the session announcement. **[para. 32]**
37. (Previously Presented) A mobile terminal, comprising: **[Fig. 6:601]**
a processor; and **[Fig. 6:602]**
memory for storing computer readable instructions that, when executed by the processor, cause the mobile terminal to perform steps of: **[Fig. 6:607; Fig. 7:701]**
- (i) wirelessly receiving from a base station corresponding to a first cell, a broadcast message communicating multicast session information for the first cell and multicast session information for a second cell; **[para. 21; para. 24 (last sentence); para. 29-30]**
 - (ii) wirelessly tuning to a multicast session broadcast by the base station corresponding to the first cell using the received multicast session information for the first cell; **[para. 26, 2nd sent.; para. 31]**

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- (iii) when a predetermined condition occurs, wirelessly tuning to a corresponding multicast session broadcast by a base station corresponding to the second cell using the received multicast session information for the second cell. [para. 19, 29, 32]

47. (Previously Presented) A method for performing multicast session handover, comprising, prior to determining that a handoff from a first cell to a second cell should be made for a mobile terminal located in the first cell, transmitting from a base station corresponding to the first cell, a broadcast message communicating multicast session information for a plurality of cells comprising the first cell and the second cell. [para. 21; para. 24 (last sentence); para. 29-30]

CONCLUSION

Appellants respectfully submit that the Appeal Brief is now in compliance and request that the appeal be docketed for further proceedings.

Respectfully submitted,

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